

A.2 Chemical and Physical Analyses

MICHIGAN DISPOSAL WASTE TREATMENT PLANT (MDWTP)
MID 000 724 831
2016 PERMIT APPLICATION

**FORM EQP 5111 ATTACHMENT TEMPLATE A2
CHEMICAL AND PHYSICAL ANALYSES**

This document is an attachment to the Michigan Department of Environmental Quality's *Instructions for Completing Form EQP 5111, Operating License Application Form for Hazardous Waste Treatment, Storage, and Disposal Facilities*. See Form EQP 5111 for details on how to use this attachment.

The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), being R 299.9504, R 299.9508, and R 299.9605, and Title 40 of the Code of Federal Regulations (CFR) §§264.13(a) and 270.14(b)(2), establish requirements for chemical and physical analyses at hazardous waste management facilities. All references to the 40 CFR citations specified herein are adopted by reference in R 299.11003

This license application template addresses requirements for chemical and physical analyses at the hazardous waste management facility for the Michigan Disposal Waste Treatment Plant (MDWTP) in Belleville, Michigan. The information included in the template demonstrates how the facility meets the chemical and physical analyses requirements for hazardous waste management facilities.

Type of applicant: *(Check as appropriate)*

- ☒ Applicant for Operating License for Existing Facility
- ☐ Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility

Type of Facility: *(Check as appropriate)*

- ☒ On-site Facility (generates hazardous waste)
- ☒ Off-site Facility (accepts hazardous waste from other generators)

Type of Units to be Constructed or Operated at the Facility: *(Check as appropriate)*

- ☒ Containers
- ☒ Tank(s)
- ☐ Waste Pile(s)
- ☐ Landfilled Waste
- ☐ Waste Incineration
- ☐ Land Treatment
- ☐ Miscellaneous Unit(s)
- ☐ Boilers and Industrial Furnaces

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A2.A WASTE DESCRIPTION

[R 299.9504(1)(c) and 40 CFR §270.14(b)(2)]

A2.A.1 Waste Description (generate on-site wastes and off-site wastes that may be received)

[R 299.9504(1)(c) and 40 CFR §270.14(b)(2)]

The waste types that may be generated and are acceptable for treatment and/or storage at MDWTP or disposal at WDI are defined in Appendix A2.A.1 and A2.A.2. In addition to hazardous waste, waste regulated under Part 115 and 121 may be accepted for treatment, storage and disposal at the facilities.

Housekeeping, maintenance, laboratory and waste processing activities may result in the generation of waste at the facility and may include any of the acceptable wastes listed in the appendix. Laboratory reports and waste characterizations are maintained at the facility as part of the operating record. Hazardous waste generated at the facility is also reported to the DEQ as part of the facility operating report in accordance with Rule 610(3).

All samples collected for the purposes of on-site waste characterization are collected, transported, analyzed, stored, and disposed of by trained and qualified individuals in accordance with the Quality Assurance/Quality Control (QA/QC) Plan. The QA/QC Plan includes written procedures outlined in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," U.S. Environmental Protection Agency (EPA) Publication SW-846 Compendium.

Rule 299.9228 establishes an alternate set of standards under which universal wastes may be managed instead of full regulation as hazardous waste under these rules. Waste that meets the criteria established by the rule may be transshipped from the facility for recycling or disposed of in accordance with the requirements of the rule.

MDWTP takes precautions to prevent the accidental ignition or reaction of ignitable or reactive waste being stored or processed per the requirements of 40 CFR §264.17. This waste must be separated and protected from sources of ignition or reaction including but not limited to: open flames, smoking, cutting, and welding hot surfaces, frictional heat, sparks, spontaneous ignition, and radiant heat. Any time MDWTP treats, stores, or disposes of ignitable or reactive wastes, or mixes incompatible wastes, the facility will take precautions to prevent reactions which:

- Generate extreme heat or pressure, fire or explosions, or violent reactions
- Produce uncontrolled toxic mists, fumes or gasses in sufficient quantities to threaten human health or environment
- Produce uncontrolled flammable fumes or gasses in sufficient quantities to threaten human health or environment;
- Damage the structural integrity of the device or facility
- Through other means threaten human health or environment.

The following waste streams are restricted at MDWTP:

- ◆ Ignitable wastes with a flashpoint <90F may be stored but may not be treated.
- ◆ Reactive wastes (D003, K027, K044, K047, K161, and K045):
 - Wastes identified in R299.9212 (3)(a, f, g, h) may not be stored or treated.
 - Wastes identified in R299.9212 (3)(b, c, d) may be stored only in the NCSA.
 - Wastes identified in R299.9212 (3)(e) may be stored in any permitted container storage area.

- D003 deactivated (no longer exhibits the characteristic of reactivity) may be received for storage and treatment.
- ◆ Dioxin-containing waste requiring treatment for F020-F023, F026-F028, K043, and K099 may be stored or treated for constituents other than dioxins.

In addition, following waste types are **NOT ACCEPTABLE** for disposal at WDI:

- ◆ Ignitable wastes as described in R299.9212(1);
- ◆ Reactive wastes as described in R299.9212(3) unless the waste no longer exhibits the characteristic of reactivity;
- ◆ Bulk or non-containerized liquid waste or waste containing free liquids;
- ◆ Containers holding free liquids, including laboratory packs;
- ◆ Wastes which will:
 - Adversely affect the permeability of the clay liner;
 - Produce a leachate that is incompatible with the synthetic liner, leachate collection system (LCS), discharge piping, and the off-site sewer system;
 - Generate gases which will adversely affect the permeability of the clay cap; and
 - Create a violation of 1975 PA 348 and rules promulgated thereunder;

Wastes which are banned from landfilling by regulations promulgated under 40 Code of Federal Regulations (CFR) Part 268 unless the wastes meet the applicable Land Disposal Restriction (LDR) treatment standards or a variance has been obtained from the administrator. The following variances have been approved:

- ◆ May 23, 2016 Guardian Industries Corporation (MID 048 784 896) Air Pollution Control Dust

A2.A.2 Waste Description (receive wastes from off-site generators)

[R 299.9504(1)(c) and 40 CFR §270.14(b)(2)]

A2.A.2(a) Procedures for Obtaining Chemical and Physical Analyses from Off-Site Generators

The initial step of the waste stream approval process is a review of the waste characterization as prepared by the generator. For the purposes of compliance with 40 CFR Part 268 or if the waste is not listed in Subpart D of 40 CFR Part 261 (R299.9213), per 40 CFR 262.11, the generators must determine whether their waste is identified in Subpart C of 40 CFR Part 261 (R299.9212) by either:

- ◆ Testing the waste according to the methods set forth in Subpart C (of 40 CFR Part 261) or according to an equivalent or recognized laboratory method
- ◆ Applying knowledge of the hazard characteristic in light of the materials or processes used. Examples of information that may be used as part of the basis for acceptable knowledge include but are not limited to: material balances for the source or process generating the hazardous waste; constituent-specific chemical test data for the hazardous waste from previous testing that are still applicable to the current waste; previous test data for other locations managing the same type of waste; or other knowledge based on information included in manifests, shipping papers, waste certification notices, and Safety Data Sheets.

Representative samples may be requested to further evaluate the waste, but are not required. The profile, with the supporting information, forms the basis of information upon which the facility determines if the waste can be accepted for disposal at WDI or storage, transshipment and treatment at MDWTP. Waste streams are also reviewed with respect to the Land Disposal Restrictions (LDR) requirements in 40 CFR Part 268. The analytical data, waste type, process description, waste chemical and physical characteristics, or a representative sample provide the facility with sufficient information to decide if the waste can be accepted or if additional

data is required before a decision can be reached. If the generator does not provide sufficient information, the generator or their representative is contacted and requested to provide further information before the approval process will continue.

A2.B CONTAINERIZED WASTE

[R 299.9504(1)(c) and 40 CFR §264.172]

A2.B.1 Wastes Compatible with Container

All wastes received by the facility are expected to arrive in a DOT compliant container. All containers will be visually inspected upon arrival and if compatibility issues are identified the contents of the container will be transferred to a more appropriate container or the container will be placed in an overpack drum.

Stored containerized waste is segregated according to 49 CFR Subpart C—Segregation and Separation Chart of Hazardous Materials segregation rules (See Appendix A2.B.1). Based on the hazard assessment of the waste, the containerized waste is organized into segregated storage areas within the NCSA, ECSA, SECSA and the East and West Loading/Unloading Bays.

Containerized wastes that are bulked and consolidated in vertical tanks or roll-off boxes are subjected to the same compatibility evaluations as applied to wastes that are mixed in the treatment tanks as stated in the WAP.

A2.B.2 Containers without Secondary Containment System

Containers holding waste without free liquids are exempt from secondary containment requirements. The presence of free liquids can be determined by visual inspection and/or using Paint Filter Liquids Test, Method 9095 in “Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods,” EPA Publication No. SW-846.

A2.C WASTE IN TANK SYSTEMS

[R 299.9504(1)(c) and 40 CFR §§264.190(a), 264.191(b)(2), 264.192(a)(2)]

A2.C.1 Waste Compatibility with and within Tanks

As outlined in Attachment C2 Tank Systems, the waste treatment tanks are lined with steel. If waste has the potential to react with the tank construction materials, processing activities will account for this and the material will be managed to prevent ignition, reaction or release to the environment. For example, neutralizing reagents may be placed into the tank prior to waste placement.

Prior to transferring any wastes into a waste treatment tank, the compatibility of the wastes to be combined will be determined by mixing in a bench scale “mock tank.” The parameters used to determine compatibility are briefly outlined below:

- ◆ Gas Evolution - Materials that upon mixing, appear to liberate excessive amounts of vapors, fumes, or mists, will not be combined.
- ◆ Heat Generation - Materials that, upon mixing, would generate excessive amounts of heat will not be combined.
- ◆ Adverse Reactions - Materials that, upon mixing, result in the formation of a large amount of sludge, or solidify or gel may not be combined if this causes a removal or subsequent handling problem.

A2.C.2 Tanks without Secondary Containment System

All liquid storage tanks at the facility are in secondary containment.

A2.D WASTE BULKING AND/OR CONSOLIDATION

A2.D.1 Waste Compatibility for Bulking

Different wastes that are combined in a container, (excluding empty containers, debris or closed and intact containers of non-hazardous waste) are subjected to the same compatibility evaluations as applied to wastes that are mixed in the treatment tanks.

Subject to compatibility confirmation, liquid and solid hazardous and non-hazardous wastes may be bulked or consolidated into larger or fewer containers in any MDWTP permitted storage area. If a roll-off box or other bulk reusable shipping container will be used for bulking or consolidation of listed hazardous waste, a liner will be utilized to prevent contamination when switching from listed wastes to characteristic wastes.

The following waste streams will not be bulked or consolidated: reactives, ignitables, incompatibles and wastes that alone or when mixed are capable of causing excess odor at the facility property line.

A2.E LANDFILLED WASTES

[R 99.9504(1)(c) and 40 CFR §§264.13(c)(3) and 264.314]

A2.E.1 Containerized or Bulk Wastes

Prior to landfilling, waste is inspected for the presence of free liquids. The presence of free liquids can be determined by visual inspection and/or using Paint Filter Liquids Test, Method 9095 in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," EPA Publication No. SW-846.

A2.E.2 Procedures to Determine Addition of Biodegradable Sorbent

The presence of biodegradable sorbents is identified from the waste characterization form and through visual inspection and sampling of incoming waste. MDWTP/WDI do not add biodegradable sorbents to any onsite generated waste.

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
D001	Ignitable liquids based on 261.21(a)(1)-Wastewaters	(I)	
D001	Ignitable liquids based on 261.21(a)(1) - Low TOC Ignitable Liquids Subcategory - Less than 10% total organic carbon	(I)	
D001	Ignitable compressed gases based on 261.21(a)(3)	(I)	
D001	Ignitable reactives based on 261.21(a)(2)	(I)	
D001	Oxidizers based on 261.21(a)(4)	(I)	
D002	Acid Subcategory based on 261.22(a)(1)	(C)	
D002	Alkaline Subcategory based on 261.22 (a) (1)	(C)	
D002	Other corrosives based on 261.22(a)(2)	(C)	
D003	Reactive waste based upon 261.23	(R)	
D004	Arsenic	(T)	7440-38-2
D005	Barium	(T)	7440-39-3
D006	Cadmium	(T)	7440-43-9
D007	Chromium	(T)	7440-47-3
D008	Lead	(T)	7439-92-1
D009	Mercury	(T)	7439-97-6
D010	Selenium	(T)	7782-49-2
D011	Silver	(T)	7440-22-4
D012	Endrin	(T)	72-20-8
D013	Lindane	(T)	58-89-9
D014	Methoxychlor	(T)	72-43-5
D015	Toxaphene	(T)	8001-35-2
D016	2,4-D	(T)	94-75-7
D017	2,4,5-TP (Silvex)	(T)	93-72-1
D018	Benzene	(T)	71-43-2
D019	Carbon tetrachloride	(T)	56-23-5
D020	Chlordane	(T)	57-74-9
D021	Chlorobenzene	(T)	108-90-7
D022	Chloroform	(T)	67-66-3
D023	o-Cresol	(T)	95-48-7
D024	m-Cresol	(T)	108-39-4
D025	p-Cresol	(T)	106-44-5
D026	Cresol	(T)	
D027	1,4-Dichlorobenzene	(T)	106-46-7
D028	1,2-Dichloroethane	(T)	107-06-2
D029	1,1-Dichloroethylene	(T)	75-35-4
D030	2,4-Dinitrotoluene	(T)	121-14-2
D031	Heptachlor (and its epoxide)	(T)	76-44-8
D032	Hexachlorobenzene	(T)	118-74-1
D033	Hexachlorobutadiene	(T)	87-68-3
D034	Hexachloroethane	(T)	67-72-1
D035	Methyl ethyl ketone	(T)	78-93-3
D036	Nitrobenzene	(T)	98-95-3
D037	Pentachlorophenol	(T)	87-86-5
D038	Pyridine	(T)	110-86-1
D039	Tetrachloroethylene	(T)	127-18-4

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
D040	Trichloroethylene	(T)	79-01-6
D041	2,4,5-Trichlorophenol	(T)	95-95-4
D042	2,4,6-Trichlorophenol	(T)	88-06-2
D043	Vinyl chloride	(T)	75-01-4
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing; containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	(T)	
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	(T)	
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	(I)*	
F004	The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	(T)	
F005	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	(I,T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and plating on carbon steel; and (6) chemical etching and milling of aluminum	(T)	
F007	Spent cyanide plating bath solutions from electroplating operations	(R,T)	
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process	(R,T)	
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process	(R,T)	
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process	(R,T)	
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations	(R,T)	
F012	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process	(T)	
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process	(T)	
F020	Wastes, except wastewater and spent carbon from hydrogen chloride purification, from the production or manufacturing use as a reactant, chemical intermediate, or component in a formulating process, of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives. This listing does not include wastes from the production of hexachlorophene from highly purified 2, 4, 5-trichlorophenol.	(H)	
F023	Wastes, except wastewater and spent carbon from hydrogen chloride purification, from the production of materials on equipment previously used for the production or manufacturing use as a reactant, chemical intermediate, or component in a formulating process of tri- and tetrachlorophenols. This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2, 4, 5-trichlorophenol.	(H)	
F024	Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes; these chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. [This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in Section 261.31 or Section 261.32]	(T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes; these chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution	(T)	
F026	Wastes, except wastewater and spent carbon from hydrogen chloride purification, from the production of materials on equipment previously used for the manufacturing use as a reactant, chemical intermediate, or component in a formulating process of tetra-, penta-, or hexachlorobenzene under alkaline conditions.	(H)	
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste numbers F020, F021, F022, F023, F026, and F027	(T)	
F032	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with 1261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations) This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol	(T)	
F034	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations; this listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol	(T)	
F035	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium; this listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol	(T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITY

Michigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
F037	Petroleum refinery primary oil/water/solids separation sludge-Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in 4261 31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing	(T)	
F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge-Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries; such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in 4261 31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing	(T)	
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this part (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028)	(T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol	(T)	
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments	(T)	
K003	Wastewater treatment sludge from the production of molybdate orange pigments		
K004	Wastewater treatment sludge from the production of zinc yellow pigments	(T)	
K005	Wastewater treatment sludge from the production of chrome green pigments	(T)	
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	(T)	
K007	Wastewater treatment sludge from the production of iron blue pigments	(T)	
K008	Oven residue from the production of chrome oxide green pigments	(T)	
K009	Distillation bottoms from the production of acetaldehyde from ethylene	(T)	
K010	Distillation side cuts from the production of acetaldehyde from ethylene	(T)	
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile	(R,T)	
K013	Bottom stream from the acetonitrile column in	(R,T)	
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile	(T)	
K015	Still bottoms from the distillation of benzylchloride	(T)	
K016	Heavy ends or distillation residues from the production of carbon tetrachloride	(T)	
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin	(T)	
K018	Heavy ends from the fractionation column in ethyl chloride production	(T)	
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production	(T)	
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production	(T)	
K021	Aqueous spent antimony catalyst waste from fluoromethanes production	(T)	
K022	Distillation bottom tars from the production of phenol/acetone from cumene	(T)	
K023	Distillation light ends from the production of phthalic anhydride from naphthalene	(T)	
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene	(T)	
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene	(T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
K026	Stripping still tails from the production of methy ethyl pyridines	(T)	
K027 ^R	Deactivated centrifuge and distillation residues from toluene dilsocyanate production	(R, T)	
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane	(T)	
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane	(T)	
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and per-chloroethylene	(T)	
K031	MSMA and cacodylic acid	(T)	
K032	Wastewater treatment sludge from the production of chlordane	(T)	
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane	(T)	
K034	Filter solids from the filtration of hexachloro-cyclopentadiene in the production of chlordane	(T)	
K035	Wastewater treatment sludges generated in theproduction of creosote	(T)	
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton	(T)	
K037	Wastewater treatment sludges from the production of disulfoton	(T)	
K038	Wastewater from the washing and stripping of phorate production	(T)	
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	(T)	
K040	Wastewater treatment sludge from the production of phorate	(T)	
K041	Wastewater treatment sludge from the production of toxaphene	(T)	
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in theproduction of 2,4,5-T	(T)	
K043	2, 6-Dichlorophenol waste from the production of 2, 4-D	(T)	
K044 ^R	Deactivated wastewater treatment sludges from the manufacturing and processing of explosives	(R)	
K045 ^R	Deactivated spent carbon from the treatment of wastewater containing explosives	(R)	
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds	(T)	
K047 ^R	Deactivated pink/red water from TNT operations	(R)	
K048	Dissolved air flotation (DAF) float from the petroleum refining industry	(T)	
K049	Slop oil emulsion solids from the petroleum refining industry	(T)	
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry	(T)	
K051	API separator sludge from the petroleum refining industry	(T)	
K052	Tank bottoms (leaded) from the petroleum refining in dustry	(T)	
K060	Ammonia still lime sludge from coking operations	(T)	
K061	Emission control dust/sludge from the primary production of steel in electric furnaces	(T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332)	(C,T)	
K064	Acid plant blowdown slurry/sludge resulting from (T)the thickening of blowdown slurry from primary copper production		
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities	(T)	
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production	(T)	
K069	Emission control dust/sludge from secondary lead smelting.	(T)	
K071	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used	(T)	
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production	(T)	
K083	Distillation bottoms from aniline production	(T)	
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	(T)	
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes	(T)	
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers,soaps, and stabilizers containing chromium and lead	(T)	
K087	Decanter tank tar sludge from coking operations	(T)	
K088	Spent potliners from primary aluminum reduction	(T)	
K090	Emission control dust or sludge from ferrochromiumsiron production	(T)	
K091	Emission control dust or sludge from ferrochromium production	(T)	
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene	(T)	
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene	(T)	
K095	Distillation bottoms from the production of 1,1,1-trichloroethane	(T)	
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane	(T)	
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane	(T)	
K098	Untreated process wastewater from the production of toxaphene	(T)	
K099	Untreated wastewater from the production of 2,4-D	(T)	
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting	(T)	
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	(T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	(T)	
K103	Process residues from aniline extraction from the production of aniline	(T)	
K104	Combined wastewater streams generated from ni-trobenzene/aniline production	(T)	
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes	(T)	
K106	Wastewater treatment sludge from the mercury cell process in chlorine production	(T)	
K107	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides		
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides		
K109	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides		
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides		
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene	(C,T)	
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene		
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene		
K114	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene		
K115	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene		
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine purification of toluenediamine via hydrogenation of dinitrotoluene		
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene	(T)	
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene	(T)	
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salt		
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts		
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts		

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts		
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide	(C,T)	
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide	(T)	
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene	(T)	
K141	Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal This listing does not include K087 (decanter tank tar sludges from coking operations)	(T)	
K142	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products from coal	(T)	
K143	Process residues from the recovery of light oil,including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal	(T)	
K144	Wastewater sump residues from light oil refining, including, but not limited to,intercepting or contamination sump sludges from the recovery of coke by-products produced from coal	(T)	
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal	(T)	
K147	Tar storage tank residues from coal tar refining	(T)	
K148	Residues from coal tar distillation, including but not limited to, still bottoms	(T)	
K149	Distillation bottoms from the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups, (This waste does not include still bottoms from the distillation of benzyl chloride)	(T)	
K150	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups	(T)	
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups	(T)	
K156	Organic wastes (including heavy ends, still bottoms, light ends, spent solvents, filtrates and decantes) from the production of carbamates and carbamoyl oximes.	(T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
K157	Wastewaters (including scrubber waters, condenser waters, washwaters and separation waters) from the production of carbamates and carbamoyl oximes.	(T)	
K158	Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes.	(T)	
K159	Organics from treatment of thiocarbamate wastes	(T)	
K160	Solids (including filter wastes, separation solids and spent catalysts) from the production of thiocarbamates and solids from the treatment of thiocarbamate wastes.	(T)	
K161	Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts.(This listing does not include K125 or K126.).		
K169	Crude oil storage tank sediment from petroleum refining operations.	(T)	
K170	Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.	(T)	
K171	Spent Hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media).	(I,T)	
K172	Spend Hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media).	(I,T)	

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
K174	<p>Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government ; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided written commitment to dispose of the waste in an off-site landfill.</p> <p>Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.</p>	(T)	
K175	Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.	(T)	
K176	Baghouse filters from the production of antimony oxide, including filters from the production of intermediates. (e.g., antimony metal or crude antimony oxide).	(E)	
K177	Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide)	(T)	
K178	Solids from manufacturing and manufacturing-site storage of ferris chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process.	(T)	
K181	Nonwastewaters from the production of certain dyes, pigments, and FD&C colorants.	(T)	
P001	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%		181-81-2
P001	Warfarin, & salts, when present at concentrations greater than 0.3%		181-81-2
P002	Acetamide, N-(aminothioxomethyl)-		591-08-2
P002	1-Acetyl-2-thiourea		591-08-2
P003	Acrolein		107-02-8
P003	2-Propenal		107-02-8
P004	Aldrin		309-00-2
P004	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a,-hexahydro-, (1 alpha,4 alpha,4 beta,5 alpha,8 alpha,8 beta)-		309-00-2
P005	Allyl alcohol		107-18-6
P005	2-Propen-1-ol		107-18-6

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
P006	Aluminum phosphide (R,T)		20859-73-8
P007	5-(Aminomethyl)-3-isoxazolol		2763-96-4
P007	3(2H)-Isoxazolone, 5-(aminomethyl)-		2763-96-4
P008	4-Aminopyridine		504-24-5
P008	4-Pyridinamine		504-24-5
P009	Ammonium picrate (R)		131-74-8
P009	Phenol, 2,4,6-trinitro-, ammonium salt (R)		131-74-8
P010	Arsenic acid H3AsO4		7778-39-4
P011	Arsenic oxide As2O5		1303-28-2
P011	Arsenic pentoxide		1303-28-2
P012	Arsenic oxide As2O3		1327-53-3
P012	Arsenic trioxide		1327-53-3
P013	Barium cyanide		542-62-1
P014	Benzenethiol		108-98-5
P014	Thiophenol		108-98-5
P015	Beryllium powder		7440-41-7
P016	Dichloromethyl ether		542-88-1
P016	Methane, oxybis[chloro-		542-88-1
P017	Bromoacetone		598-31-2
P017	2-Propanone, 1-bromo-		598-31-2
P018	Brucine		357-57-3
P018	Strychnidin-10-one, 2,3-dimethoxy-		357-57-3
P020	Dinoseb		88-85-7
P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-		88-85-7
P021	Calcium cyanide		592-01-8
P021	Calcium cyanide Ca(CN)2		592-01-8
P022	Carbon disulfide		75-15-0
P023	Acetaldehyde, chloro-		107-20-0
P023	Chloroacetaldehyde		107-20-0
P024	Benzenamine, 4-chloro-		106-47-8
P024	p-Chloroaniline		106-47-8
P026	1-(o-Chlorophenyl)thiourea		5344-82-1
P026	Thiourea, (2-chlorophenyl)-		5344-82-1
P027	3-Chloropropionitrile		542-76-7
P027	Propanenitrile, 3-chloro-		542-76-7
P028	Benzene, (chloromethyl)-		100-44-7
P028	Benzyl chloride		100-44-7
P029	Copper cyanide		544-92-3
P029	Copper cyanide Cu(CN)		544-92-3
P030	Cyanides (soluble cyanide salts), not otherwise specified	
P031	Cyanogen		460-19-5
P031	Ethanedinitrile		460-19-5
P033	Cyanogen chloride		506-77-4
P033	Cyanogen chloride (CN)Cl		506-77-4
P034	2-Cyclohexyl-4,6-dinitrophenol		131-89-5
P034	Phenol, 2-cyclohexyl-4,6-dinitro-		131-89-5

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITY

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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
P036	Arsonous dichloride, phenyl-		696-28-6
P036	Dichlorophenylarsine		696-28-6
P037	Dieldrin		60-57-1
P037	2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2alpha,3beta,6beta,6alpha,7beta,7alpha)-		60-57-1
P038	Arsine, diethyl-		692-42-2
P038	Diethylarsine		692-42-2
P039	Disulfoton		298-04-4
P039	Phosphorodithioic acid, O,O-diethyl.S-[2-(ethylthio)ethyl] ester		298-04-4
P040	O,O-Diethyl O-pyrazinyl phosphorothioate		297-97-2
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester		297-97-2
P041	Diethyl-p-nitrophenyl phosphate		311-45-5
P041	Phosphoric acid, diethyl 4-nitrophenyl ester		311-45-5
P042	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-		51-43-4
P042	Epinephrine		51-43-4
P043	Diisopropylfluorophosphate (DFP)		55-91-4
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester		55-91-4
P044	Dimethoate		60-51-5
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester		60-51-5
P045	2-Butanone, 3,3-dimethyl-1-(methylthio)-, ...O-[methylamino]carbonyl] oxime		39196-18-4
P045	Thiofanox		39196-18-4
P046	Benzeneethanamine, alpha,alpha-dimethyl-		122-09-8
P046	alpha,alpha-Dimethylphenethylamine		122-09-8
P047	4,6-Dinitro-o-cresol, & salts 1		1534-52-
P047	Phenol, 2-methyl-4,6-dinitro-, & salts, 1		1534-52-
P048	2,4-Dinitrophenol		51-28-5
P048	Phenol, 2,4-dinitro-		51-28-5
P049	Dithiobiuret		541-53-7
P049	Thioimidodicarbonic diamide [(H2N)C(S)]2NH		541-53-7
P050	Endosulfan		115-29-7
P050	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide		115-29-7
P051	2,7:3,6-Dimethanonaphth [2,3-b]oxirene,3,4,5,6,9,9-hexa-chloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2alpha,3alpha,6alpha,6beta,7beta,7alpha)-, & metabolites		172-20-8
P051	Endrin		72-20-8
P051	Endrin, & metabolites		72-20-8
P054	Aziridine		151-56-4
P054	Ethyleneimine		151-56-4
P056	Fluorine		7782-41-4
P057	Acetamide, 2-fluoro-		640-19-7
P057	Fluoroacetamide		640-19-7

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITY

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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
P058	Acetic acid, fluoro-, sodium salt		62-74-8
P058	Fluoroacetic acid, sodium salt		62-74-8
P059	Heptachlor		76-44-8
P059	4,7-Methano-1H-indene,1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-		76-44-8
P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-		465-73-6
P060	Isodrin		465-73-6
P062	Hexaethyl tetraphosphate		757-58-4
P062	Tetraphosphoric acid, hexaethyl ester		757-58-4
P063	Hydrocyanic acid		74-90-8
P063	Hydrogen cyanide		74-90-8
P064	Methane, isocyanato-		624-83-9
P064	Methyl isocyanate		624-83-9
P065	Fulminic acid, mercury(2+) salt (R,T)		628-86-4
P065	Mercury fulminate (R,T)		628-86-4
P066	Ethanimidothioic acid,...N-[[[(methylamino)carbonyl]oxy]-, methyl ester		16752-77-5
P066	Methomyl		16752-77-5
P067	Aziridine, 2-methyl-		75-55-8
P067	1,2-Propylenimine		75-55-8
P068	Hydrazine, methyl-		60-34-4
P068	Methyl hydrazine		60-34-4
P069	2-Methylactonitrile		75-86-5
P069	Propanenitrile, 2-hydroxy-2-methyl-		75-86-5
P070	Aldicarb		116-06-3
P070	Propanal, 2-methyl-2-(methylthio)-,...O-[(methylamino)carbonyl]oxime		116-06-3
P071	Methyl parathion		298-00-0
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester		298-00-0
P072	alpha-Naphthylthiourea		86-88-4
P072	Thiourea, 1-naphthalenyl-		86-88-4
P073	Nickel carbonyl		13463-39-3
P073	Nickel carbonyl Ni(CO)4, (T-4)-		13463-39-3
P074	Nickel cyanide		557-19-7
P074	Nickel cyanide Ni(CN)2		557-19-7
P075	Nicotine, & salts		154-11-5
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts		154-11-5
P076	Nitric oxide		10102-43-9
P076	Nitrogen oxide NO		10102-43-9
P077	Benzenamine, 4-nitro-		100-01-6
P077	p-Nitroaniline		100-01-6
P078	Nitrogen dioxide		10102-44-0
P078	Nitrogen oxide NO2		10102-44-0
P081	Nitroglycerine (R)		55-63-0
P081	1,2,3-Propanetriol, trinitrate (R)		55-63-0
P082	Methanamine, N-methyl-N-nitroso-		62-75-9
P082	N-Nitrosodimethylamine		62-75-9

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITY

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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
P084	N-Nitrosomethylvinylamine		4549-40-0
P084	Vinylamine, N-methyl-N-nitroso-		4549-40-0
P085	Diphosphoramidate, octamethyl-		152-16-9
P085	Octamethylpyrophosphoramidate		152-16-9
P087	Osmium oxide OsO ₄ , (T-4)-		20816-12-0
P087	Osmium tetroxide		20816-12-0
P088	Endothall		145-73-3
P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid		145-73-3
P089	Parathion		56-38-2
P089	Phosphorothioic acid, O,O-diethyl, O-(4-nitrophenyl) ester		56-38-2
P092	Mercury, (acetato-O)phenyl-		62-38-4
P092	Phenylmercury acetate		62-38-4
P093	Phenylthiourea		103-85-5
P093	Thiourea, phenyl-		103-85-5
P094	Phorate		298-02-2
P094	Phosphorodithioic acid, O,O-diethyl.S-[(ethylthio)methyl] ester		298-02-2
P095	Carbonic dichloride		75-44-5
P095	Phosgene		75-44-5
P096	Hydrogen phosphide		7803-51-2
P096	Phosphine		7803-51-2
P097	Famphur		52-85-7
P097	Phosphorothioic acid,...O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester		52-85-7
P098	Potassium cyanide		151-50-8
P098	Potassium cyanide K(CN)		151-50-8
P099	Argentate(1-), bis(cyano-C)-, potassium		506-61-6
P099	Potassium silver cyanide		506-61-6
P101	Ethyl cyanide		107-12-0
P101	Propanenitrile		107-12-0
P102	Propargyl alcohol		107-19-7
P102	2-Propyn-1-ol		107-19-7
P103	Selenourea		630-10-4
P104	Silver cyanide		506-64-9
P104	Silver cyanide Ag(CN)		506-64-9
P105	Sodium azide		26628-22-8
P106	Sodium cyanide		143-33-9
P106	Sodium cyanide Na(CN)		143-33-9
P108	Strychnidin-10-one, & salts		157-24-9
P108	Strychnine, & salts		157-24-9
P109	Tetraethyldithiopyrophosphate		3689-24-5
P109	Thiodiphosphoric acid, tetraethyl ester		3689-24-5
P110	Plumbane, tetraethyl-		78-00-2
P110	Tetraethyl lead		78-00-2
P111	Diphosphoric acid, tetraethyl ester		107-49-3
P111	Tetraethyl pyrophosphate		107-49-3
P112	Methane, tetranitro-(R)		509-14-8

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
P112	Tetranitromethane (R)		509-14-8
P113	Thallic oxide		1314-32-5
P113	Thallium oxide Tl ₂ O ₃		1314-32-5
P114	Selenious acid, dithallium(1+) salt		12039-52-0
P114	Thallium(I) selenite		12039-52-0
P115	Sulfuric acid, dithallium(1+) salt		7446-18-6
P115	Thallium(I) sulfate		7446-18-6
P116	Hydrazinecarbothioamide		79-19-6
P116	Thiosemicarbazide		79-19-6
P118	Methanethiol, trichloro-		75-70-7
P118	Trichloromethanethiol		75-70-7
P119	Ammonium vanadate		7803-55-6
P119	Vanadic acid, ammonium salt		7803-55-6
P120	Vanadium oxide V ₂ O ₅		1314-62-1
P120	Vanadium pentoxide		1314-62-1
P121	Zinc cyanide		557-21-1
P121	Zinc cyanide Zn(CN) ₂		557-21-1
P122	Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10% (R,T)		1314-84-7
P123	Toxaphene		8001-35-2
P127	7-Benzofuranol, 2,3-dihydro-2,2-dimethylmethylcarbamate.		1563-66-2
P127	Carbofuran.		1563-66-2
P128	Mexacarbamate		315-18-4
P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-,methylcarbamate(ester).		315-18-4
P185	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-,O- [(methylamino)-carbonyl]oxime.		26419-73-8
P185	Tirpate.		26419-73-8
P188	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1).		57-64-7
P188	Physostigmine salicylate.		57-64-7
P188	Physostigmine salicylate.		57-64-7
P189	Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester.		55285-14-8
P189	Carbosulfan.		55285-14-8
P190	Carbamic acid, methyl-, 3-methylphenyl ester.		1129-41-5
P190	Metolcarb.		1129-41-5
P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester.		644-64-4
P191	Dimetilan.		644-64-4
P192	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester.		119-38-0
P192	Isolan.		119-38-0
P194	Ethanimidothioc acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester.		23135-22-0
P194	Oxamyl.		23135-22-0

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITY

Michigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
P196	Manganese, bis(dimethylcarbamoedithioato-S,S')-,		15339-36-3
P196	Manganese dimethyldithiocarbamate.		15339-36-3
P197	Formparanate.		17702-57-7
P197	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[(methyl-amino)carbonyl]oxy]phenyl]-		17702-57-7
P198	Formetanate hydrochloride.		23422-53-9
P198	Methanimidamide, N,N-dimethyl-N'-[3-[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride.		23422-53-9
P199	Methiocarb.		2032-65-7
P199	Phenol, (3,5-dimethyl-4-(methylthio)-,methylcarbamate		2032-65-7
P201	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate.		2631-37-0
P201	Promecarb		2631-37-0
P202	m-Cumenyl methylcarbamate.		64-00-6
P202	3-Isopropylphenyl N-methylcarbamate.		64-00-6
P202	Phenol, 3-(1-methylethyl)-, methyl carbamate.		64-00-6
P203	Aldicarb sulfone.		1646-88-4
P203	Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime.		1646-88-4
P204	Physostigmine.		57-47-6
P204	Physostigmine.		57-47-6
P204	Pyrrlo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-,methylcarbamate (ester), (3aS-cis)-.		57-47-6
P205	Zinc, bis(dimethylcarbamoedithioato-S,S')-,		137-30-4
P205	Ziram.		137-30-4
U001	Acetaldehyde (I)		75-07-0
U001	Ethanal (I)		75-07-0
U002	Acetone (I)		67-64-1
U002	2-Propanone (I)		67-64-1
U003	Acetonitrile (I,T)		75-05-8
U004	Acetophenone		98-86-2
U004	Ethanone, 1-phenyl-		98-86-2
U005	Acetamide, N-9H-fluoren-2-yl-		53-96-3
U005	2-Acetylaminofluorene		53-96-3
U006	Acetyl chloride (C,R,T)		75-36-5
U007	Acrylamide		79-06-1
U007	2-Propenamide		79-06-1
U008	Acrylic acid (I)		79-10-7
U008	2-Propenoic acid (I)		79-10-7
U009	Acrylonitrile		107-13-1
U009	2-Propenenitrile		107-13-1
U010	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[aminocarbonyl]oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta,8aalpha,8balpha)]-		50-07-7
U010	Mitomycin C		50-07-7
U011	Amitrole		61-82-5
U011	1H-1,2,4-Triazol-3-amine		61-82-5

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U012	Aniline (I,T)		62-53-3
U012	Benzenamine (I,T)		62-53-3
U014	Auramine		492-80-8
U014	Benzenamine, 4,4'-carbonimidoylbis [N,N-dimethyl-		492-80-8
U015	Azaserine		115-02-6
U015	L-Serine, diazoacetate (ester)		115-02-6
U016	Benz[c]acridine		225-51-4
U017	Benzal chloride		98-87-3
U017	Benzene, (dichloromethyl)-		98-87-3
U018	Benz[a]anthracene		56-55-3
U019	Benzene (I,T)		71-43-2
U020	Benzenesulfonic acid chloride (C,R)		98-09-9
U020	Benzenesulfonyl chloride (C,R)		98-09-9
U021	Benzidine		92-87-5
U021	[1,1'-Biphenyl]-4,4'-diamine		92-87-5
U022	Benzo[a]pyrene		50-32-8
U023	Benzene, (trichloromethyl)-		98-07-7
U023	Benzotrichloride (C,R,T)		98-07-7
U024	Dichloromethoxy ethane		111-91-1
U024	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-		111-91-1
U025	Dichloroethyl ether		111-44-4
U025	Ethane, 1,1'-oxybis[2-chloro-		111-44-4
U026	Chlornaphazin		494-03-1
U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-		494-03-1
U027	Dichloroisopropyl ether		108-60-1
U027	Propane, 2,2'-oxybis[2-chloro-		108-60-1
U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester		117-81-7
U028	Diethylhexyl phthalate		117-81-7
U029	Methane, bromo-		74-83-9
U029	Methyl bromide		74-83-9
U030	Benzene, 1-bromo-4-phenoxy-		101-55-3
U030	4-Bromophenyl phenyl ether		101-55-3
U031	1-Butanol (I)		71-36-3
U031	n-Butyl alcohol (I)		71-36-3
U032	Calcium chromate		13765-19-0
U032	Chromic acid H ₂ CrO ₄ , calcium salt		13765-19-0
U033	Carbonic difluoride		353-50-4
U033	Carbon oxyfluoride (R,T)		353-50-4
U034	Acetaldehyde, trichloro-		75-87-6
U034	Chloral		75-87-6
U035	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-		305-03-3
U035	Chlorambucil		305-03-3
U036	Chlordane, alpha & gamma isomers		57-74-9
U036	4,7-Methano-1H-indene,1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-		57-74-9
U037	Benzene, chloro-		108-90-7

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U037	Chlorobenzene		108-90-7
U038	Benzeneacetic acid,4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester		510-15-6
U038	Chlorobenzilate		510-15-6
U039	p-Chloro-m-cresol		59-50-7
U039	Phenol, 4-chloro-3-methyl-		59-50-7
U041	Epichlorohydrin		106-89-8
U041	Oxirane, (chloromethyl)-		106-89-8
U042	2-Chloroethyl vinyl ether		110-75-8
U042	Ethene, (2-chloroethoxy)-		110-75-8
U043	Ethene, chloro-		75-01-4
U043	Vinyl chloride		75-01-4
U044	Chloroform		67-66-3
U044	Methane, trichloro-		67-66-3
U045	Methane, chloro-(I, T)		74-87-3
U045	Methyl chloride (I,T)		74-87-3
U046	Chloromethyl methyl ether		107-30-2
U046	Methane, chloromethoxy-		107-30-2
U047	beta-Chloronaphthalene		91-58-7
U047	Naphthalene, 2-chloro-		91-58-7
U048	o-Chlorophenol		95-57-8
U048	Phenol, 2-chloro-		95-57-8
U049	Benzenamine, 4-chloro-2-methyl-, hydrochloride		3165-93-3
U049	4-Chloro-o-toluidine, hydrochloride		3165-93-3
U050	Chrysene		218-01-9
U051	Creosote	
U052	Cresol (Cresylic acid)		1319-77-3
U052	Phenol, methyl-		1319-77-3
U053	2-Butenal		4170-30-3
U053	Crotonaldehyde		4170-30-3
U055	Benzene, (1-methylethyl)-(I)		98-82-8
U055	Cumene (I)		98-82-8
U056	Benzene, hexahydro-(I)		110-82-7
U056	Cyclohexane (I)		110-82-7
U057	Cyclohexanone (I)		108-94-1
U058	Cyclophosphamide		50-18-0
U058	2H-1,3,2-Oxazaphosphorin-2-amine,...N,N-bis(2-chloroethyl)te trahydro-, 2-oxide		50-18-0
U059	Daunomycin		20830-81-3
U059	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6 ,8,11-trihydroxy-1-methoxy-, (8S-cis)-		20830-81-3
U060	Benzene, 1,1'-(2,2-dichloroethylidene)bis [4-chloro-		72-54-8
U060	DDD		72-54-8
U061	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-chloro-		50-29-3
U061	DDT		50-29-3

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester		2303-16-4
U062	Diallate		2303-16-4
U063	Dibenz[a,h]anthracene		53-70-3
U064	Benzo[rs]pentaphene		189-55-9
U064	Dibenzo[a,i]pyrene		189-55-9
U066	1,2-Dibromo-3-chloropropane		96-12-8
U066	Propane, 1,2-dibromo-3-chloro-		96-12-8
U067	Ethane, 1,2-dibromo-		106-93-4
U067	Ethylene dibromide		106-93-4
U068	Methane, dibromo-		74-95-3
U068	Methylene bromide		74-95-3
U069	1,2-Benzenedicarboxylic acid, dibutyl ester		84-74-2
U069	Dibutyl phthalate		84-74-2
U070	Benzene, 1,2-dichloro-		95-50-1
U070	o-Dichlorobenzene		95-50-1
U071	Benzene, 1,3-dichloro-		541-73-1
U071	m-Dichlorobenzene		541-73-1
U072	Benzene, 1,4-dichloro-		106-46-7
U072	p-Dichlorobenzene		106-46-7
U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-		91-94-1
U073	3,3'-Dichlorobenzidine		91-94-1
U074	2-Butene, 1,4-dichloro-(I,T)		764-41-0
U074	1,4-Dichloro-2-butene (I,T)		764-41-0
U075	Dichlorodifluoromethane		75-71-8
U075	Methane, dichlorodifluoro-		75-71-8
U076	Ethane, 1,1-dichloro-		75-34-3
U076	Ethylidene dichloride		75-34-3
U077	Ethane, 1,2-dichloro-		107-06-2
U077	Ethylene dichloride		107-06-2
U078	1,1-Dichloroethylene		75-35-4
U078	Ethene, 1,1-dichloro-		75-35-4
U079	1,2-Dichloroethylene		156-60-5
U079	Ethene, 1,2-dichloro-, (E)-		156-60-5
U080	Methane, dichloro-		75-09-2
U080	Methylene chloride		75-09-2
U081	2,4-Dichlorophenol		120-83-2
U081	Phenol, 2,4-dichloro-		120-83-2
U082	2,6-Dichlorophenol		87-65-0
U082	Phenol, 2,6-dichloro-		87-65-0
U083	Propane, 1,2-dichloro-		78-87-5
U083	Propylene dichloride		78-87-5
U084	1,3-Dichloropropene		542-75-6
U084	1-Propene, 1,3-dichloro-		542-75-6
U085	2,2'-Bioxirane		1464-53-5
U085	1,2:3,4-Diepoxybutane (I,T)		1464-53-5

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U086	N,N'-Diethylhydrazine		1615-80-1
U086	Hydrazine, 1,2-diethyl-		1615-80-1
U087	O,O-Diethyl S-methyl dithiophosphate		3288-58-2
U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester		3288-58-2
U088	1,2-Benzenedicarboxylic acid, diethyl ester		84-66-2
U088	Diethyl phthalate		84-66-2
U089	Diethylstilbesterol		56-53-1
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-		56-53-1
U090	1,3-Benzodioxole, 5-propyl-		94-58-6
U090	Dihydrosafrole		94-58-6
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-		119-90-4
U091	3,3'-Dimethoxybenzidine		119-90-4
U092	Dimethylamine (I)		124-40-3
U092	Methanamine, N-methyl-(I)		124-40-3
U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-		60-11-7
U093	p-Dimethylaminoazobenzene		60-11-7
U094	Benz[a]anthracene, 7,12-dimethyl-		57-97-6
U094	7,12-Dimethylbenz[a]anthracene		57-97-6
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-		119-93-7
U095	3,3'-Dimethylbenzidine		119-93-7
U096	alpha,alpha-Dimethylbenzylhydroperoxide (R)		80-15-9
U096	Hydroperoxide, 1-methyl-1-phenylethyl-(R)		80-15-9
U097	Carbamic chloride, dimethyl-		79-44-7
U097	Dimethylcarbamoyl chloride		79-44-7
U098	1,1-Dimethylhydrazine		57-14-7
U098	Hydrazine, 1,1-dimethyl-		57-14-7
U099	1,2-Dimethylhydrazine		540-73-8
U099	Hydrazine, 1,2-dimethyl-		540-73-8
U101	2,4-Dimethylphenol		105-67-9
U101	Phenol, 2,4-dimethyl-		105-67-9
U102	1,2-Benzenedicarboxylic acid, dimethyl ester		131-11-3
U102	Dimethyl phthalate		131-11-3
U103	Dimethyl sulfate		77-78-1
U103	Sulfuric acid, dimethyl ester		77-78-1
U105	Benzene, 1-methyl-2,4-dinitro-		121-14-2
U105	2,4-Dinitrotoluene		121-14-2
U106	Benzene, 2-methyl-1,3-dinitro-		606-20-2
U106	2,6-Dinitrotoluene		606-20-2
U107	1,2-Benzenedicarboxylic acid, dioctyl ester		117-84-0
U107	Di-n-octyl phthalate		117-84-0
U108	1,4-Diethyleneoxide		123-91-1
U108	1,4-Dioxane		123-91-1
U109	1,2-Diphenylhydrazine		122-66-7
U109	Hydrazine, 1,2-diphenyl-		122-66-7
U110	Dipropylamine (I)		142-84-7
U110	1-Propanamine, N-propyl-(I)		142-84-7

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U111	Di-n-propylnitrosamine		621-64-7
U111	1-Propanamine, N-nitroso-N-propyl-		621-64-7
U112	Acetic acid ethyl ester (I)		141-78-6
U112	Ethyl acetate (I)		141-78-6
U113	Ethyl acrylate (I)		140-88-5
U113	2-Propenoic acid, ethyl ester (I)		140-88-5
U114	Carbamodithioic acid, 1,2-ethanediylbis-,...salts & esters		1111-54-6
U114	Ethylenebisdithiocarbamic acid, salts & esters		1111-54-6
U115	Ethylene oxide (I,T)		75-21-8
U115	Oxirane (I,T)		75-21-8
U116	Ethylenethiourea		96-45-7
U116	2-Imidazolidinethione		96-45-7
U117	Ethane, 1,1'-oxybis-(I)		60-29-7
U117	Ethyl ether (I)		60-29-7
U118	Ethyl methacrylate		97-63-2
U118	2-Propenoic acid, 2-methyl-, ethyl ester		97-63-2
U119	Ethyl methanesulfonate		62-50-0
U119	Methanesulfonic acid, ethyl ester		62-50-0
U120	Fluoranthene		206-44-0
U121	Methane, trichlorofluoro-		75-69-4
U121	Trichloromonofluoromethane		75-69-4
U122	Formaldehyde		50-00-0
U123	Formic acid (C,T)		64-18-6
U124	Furan (I)		110-00-9
U124	Furfuran (I)		110-00-9
U125	2-Furancarboxaldehyde (I)		98-01-1
U125	Furfural (I)		98-01-1
U126	Glycidylaldehyde		765-34-4
U126	Oxiranecarboxyaldehyde		765-34-4
U127	Benzene, hexachloro-		118-74-1
U127	Hexachlorobenzene		118-74-1
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-		87-68-3
U128	Hexachlorobutadiene		87-68-3
U129	Cyclohexane, 1,2,3,4,5,6-hexachloro- ..(1 alpha,2alpha,3beta,4alpha,5alpha,6beta)-		58-89-9
U129	Lindane		58-89-9
U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-		77-47-4
U130	Hexachlorocyclopentadiene		77-47-4
U131	Ethane, hexachloro-		67-72-1
U131	Hexachloroethane		67-72-1
U132	Hexachlorophene		70-30-4
U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-		70-30-4
U133	Hydrazine (R,T)		302-01-2
U134	Hydrofluoric acid (C,T)		7664-39-3
U134	Hydrogen fluoride (C,T)		7664-39-3
U135	Hydrogen sulfide		7783-06-4

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U135	Hydrogen sulfide H ₂ S		7783-06-4
U136	Arsinic acid, dimethyl-		75-60-5
U136	Cacodylic acid		75-60-5
U137	Indeno[1,2,3-cd]pyrene		193-39-5
U138	Methane, iodo-		74-88-4
U138	Methyl iodide		74-88-4
U140	Isobutyl alcohol (I,T)		78-83-1
U140	1-Propanol, 2-methyl-(I,T)		78-83-1
U141	1,3-Benzodioxole, 5-(1-propenyl)-		120-58-1
U141	Isosafrole		120-58-1
U142	Kepone		143-50-0
U142	1,3,4-Metheno-2H-cyclobuta [cd]pentalen-2-one,1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-		143-50-0
U143	2-Butenoic acid, 2-methyl-, 7-[[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-ylester,...[1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-		303-34-4
U143	Lasiocarpine		303-34-4
U144	Acetic acid, lead(2+) salt		301-04-2
U144	Lead acetate		301-04-2
U145	Lead phosphate		7446-27-7
U145	Phosphoric acid, lead(2+) salt (2:3)		7446-27-7
U146	Lead, bis(acetato-O)tetrahydroxytri-		1335-32-6
U146	Lead subacetate		1335-32-6
U147	2,5-Furandione		108-31-6
U147	Maleic anhydride		108-31-6
U148	Maleic hydrazide		123-33-1
U148	3,6-Pyridazinedione, 1,2-dihydro-		123-33-1
U149	Malononitrile		109-77-3
U149	Propanedinitrile		109-77-3
U150	Melphalan		148-82-3
U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-		148-82-3
U151	Mercury		7439-97-6
U152	Methacrylonitrile (I, T)		126-98-7
U152	2-Propenenitrile, 2-methyl-(I,T)		126-98-7
U153	Methanethiol (I, T)		74-93-1
U153	Thiomethanol (I,T)		74-93-1
U154	Methanol (I)		67-56-1
U154	Methyl alcohol (I)		67-56-1
U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-		91-80-5
U155	Methapyrilene		91-80-5
U156	Carbonochloridic acid, methyl ester (I,T)		79-22-1
U156	Methyl chlorocarbonate (I,T)		79-22-1
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-		56-49-5
U157	3-Methylcholanthrene		56-49-5
U158	Benzenamine, 4,4'-methylenebis[2-chloro-		101-14-4
U158	4,4'-Methylenebis(2-chloroaniline)		101-14-4

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U159	2-Butanone (I,T)		78-93-3
U159	Methyl ethyl ketone (MEK) (I,T)		78-93-3
U160	2-Butanone, peroxide (R,T)		1338-23-4
U160	Methyl ethyl ketone peroxide (R,T)		1338-23-4
U161	Methyl isobutyl ketone (I)		108-10-1
U161	4-Methyl-2-pentanone (I)		108-10-1
U161	Pentanol, 4-methyl-		108-10-1
U162	Methyl methacrylate (I,T)		80-62-6
U162	2-Propenoic acid, 2-methyl-, methyl ester (I,T)		80-62-6
U163	Guanidine, N-methyl-N'-nitro-N-nitroso-		70-25-7
U163	MNNG		70-25-7
U164	Methylthiouracil		56-04-2
U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-		56-04-2
U165	Naphthalene		91-20-3
U166	1,4-Naphthalenedione		130-15-4
U166	1,4-Naphthoquinone		130-15-4
U167	1-Naphthalenamine		134-32-7
U167	alpha-Naphthylamine		134-32-7
U168	2-Naphthalenamine		91-59-8
U168	beta-Naphthylamine		91-59-8
U169	Benzene, nitro-		98-95-3
U169	Nitrobenzene (I,T)		98-95-3
U170	p-Nitrophenol		100-02-7
U170	Phenol, 4-nitro-		100-02-7
U171	2-Nitropropane (I,T)		79-46-9
U171	Propane, 2-nitro-(I,T)		79-46-9
U172	1-Butanamine, N-butyl-N-nitroso-		924-16-3
U172	N-Nitrosodi-n-butylamine		924-16-3
U173	Ethanol, 2,2'-(nitrosoimino)bis-		1116-54-7
U173	N-Nitrosodiethanolamine		1116-54-7
U174	Ethanamine, N-ethyl-N-nitroso-		55-18-5
U174	N-Nitrosodiethylamine		55-18-5
U176	N-Nitroso-N-ethylurea		759-73-9
U176	Urea, N-ethyl-N-nitroso-		759-73-9
U177	N-Nitroso-N-methylurea		684-93-5
U177	Urea, N-methyl-N-nitroso-		684-93-5
U178	Carbamic acid, methylnitroso-, ethyl ester		615-53-2
U178	N-Nitroso-N-methylurethane		615-53-2
U179	N-Nitrosopiperidine		100-75-4
U179	Piperidine, 1-nitroso-		100-75-4
U180	N-Nitrosopyrrolidine		930-55-2
U180	Pyrrolidine, 1-nitroso-		930-55-2
U181	Benzenamine, 2-methyl-5-nitro-		99-55-8
U181	5-Nitro-o-toluidine		99-55-8
U182	Paraldehyde		123-63-7
U182	1,3,5-Trioxane, 2,4,6-trimethyl-		123-63-7

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U183	Benzene, pentachloro-		608-93-5
U183	Pentachlorobenzene		608-93-5
U184	Ethane, pentachloro-		76-01-7
U184	Pentachloroethane		76-01-7
U185	Benzene, pentachloronitro-		82-68-8
U185	Pentachloronitrobenzene (PCNB)		82-68-8
U186	1-Methylbutadiene (I)		504-60-9
U186	1,3-Pentadiene (I)		504-60-9
U187	Acetamide, N-(4-ethoxyphenyl)-		62-44-2
U187	Phenacetin		62-44-2
U188	Phenol		108-95-2
U189	Phosphorus sulfide (R)		1314-80-3
U189	Sulfur phosphide (R)		1314-80-3
U190	1,3-Isobenzofurandione		85-44-9
U190	Phthalic anhydride		85-44-9
U191	2-Picoline		109-06-8
U191	Pyridine, 2-methyl-		109-06-8
U192	Benzamide,3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-		23950-58-5
U192	Pronamide		23950-58-5
U193	1,2-Oxathiolane, 2,2-dioxide		1120-71-4
U193	1,3-Propane sultone		1120-71-4
U194	1-Propanamine (I,T)		107-10-8
U194	n-Propylamine (I,T)		107-10-8
U196	Pyridine		110-86-1
U197	p-Benzoquinone		106-51-4
U197	2,5-Cyclohexadiene-1,4-dione		106-51-4
U200	Reserpine		50-55-5
U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta,16beta,17alpha,18beta,20alpha)-		50-55-5
U201	1,3-Benzenediol		108-46-3
U201	Resorcinol		108-46-3
U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts		181-07-2
U202	Saccharin, & salts		181-07-2
U203	1,3-Benzodioxole, 5-(2-propenyl)-		94-59-7
U203	Safrole		94-59-7
U204	Selenious acid		7783-00-8
U204	Selenium dioxide		7783-00-8
U205	Selenium sulfide		7488-56-4
U205	Selenium sulfide SeS2 (R,T)		7488-56-4
U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,D-		18883-66-4
U206	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-.carbonyl]amino]-		18883-66-4
U206	Streptozotocin		18883-66-4
U207	Benzene, 1,2,4,5-tetrachloro-		95-94-3
U207	1,2,4,5-Tetrachlorobenzene		95-94-3
U208	Ethane, 1,1,1,2-tetrachloro-		630-20-6

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U208	1,1,1,2-Tetrachloroethane		630-20-6
U209	Ethane, 1,1,2,2-tetrachloro-		79-34-5
U209	1,1,2,2-Tetrachloroethane		79-34-5
U210	Ethene, tetrachloro-		127-18-4
U210	Tetrachloroethylene		127-18-4
U211	Carbon tetrachloride		56-23-5
U211	Methane, tetrachloro-		56-23-5
U213	Furan, tetrahydro-(I)		109-99-9
U213	Tetrahydrofuran (I)		109-99-9
U214	Acetic acid, thallium(1+) salt		563-68-8
U214	Thallium(I) acetate		563-68-8
U215	Carbonic acid, dithallium(1+) salt		6533-73-9
U215	Thallium(I) carbonate		6533-73-9
U216	Thallium(I) chloride		7791-12-0
U216	Thallium chloride TlCl		7791-12-0
U217	Nitric acid, thallium(1+) salt		10102-45-1
U217	Thallium(I) nitrate		10102-45-1
U218	Ethanethioamide		62-55-5
U218	Thioacetamide		62-55-5
U219	Thiourea		62-56-6
U220	Benzene, methyl-		108-88-3
U220	Toluene		108-88-3
U221	Benzenediamine, ar-methyl-		25376-45-8
U221	Toluenediamine		25376-45-8
U222	Benzenamine, 2-methyl-, hydrochloride		636-21-5
U222	o-Toluidine hydrochloride		636-21-5
U223	Benzene, 1,3-diisocyanatomethyl-(R,T)		26471-62-5
U223	Toluene diisocyanate (R,T)		26471-62-5
U225	Bromoform		75-25-2
U225	Methane, tribromo-		75-25-2
U226	Ethane, 1,1,1-trichloro-		71-55-6
U226	Methyl chloroform		71-55-6
U227	Ethane, 1,1,2-trichloro-		79-00-5
U227	1,1,2-Trichloroethane		79-00-5
U228	Ethene, trichloro-		79-01-6
U228	Trichloroethylene		79-01-6
U234	Benzene, 1,3,5-trinitro-		99-35-4
U234	1,3,5-Trinitrobenzene (R,T)		99-35-4
U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)		126-72-7
U235	Tris(2,3-dibromopropyl) phosphate		126-72-7
U236	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-...dimethyl [1,1'-biphenyl]-4,4'-diyl)bis(azo)bis [5-amino-4-hydroxy]-, tetrasodium salt		72-57-1
U236	Trypan blue		72-57-1
U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-		66-75-1
U237	Uracil mustard		66-75-1
U238	Carbamic acid, ethyl ester		51-79-6

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U238	Ethyl carbamate (urethane)		51-79-6
U239	Benzene, dimethyl-(I,T)		1330-20-7
U239	Xylene (I)		1330-20-7
U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters		194-75-7
U240	2,4-D, salts & esters		194-75-7
U243	Hexachloropropene		1888-71-7
U243	1-Propene, 1,1,2,3,3,3-hexachloro-		1888-71-7
U244	Thioperoxydicarbonic diamide [(H ₂ N)C(S)] ₂ S ₂ ,		137-26-8
U244	Thiram		137-26-8
U246	Cyanogen bromide (CN)Br		506-68-3
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-methoxy-		72-43-5
U247	Methoxychlor		72-43-5
U248	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less		181-81-2
U248	Warfarin, & salts, when present at concentrations of 0.3% or less		181-81-2
U249	Zinc phosphide Zn ₃ P ₂ , when present at concentrations of 10% or less		1314-84-7
U271	Benomyl.		17804-35-2
U271	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester.		17804-35-2
U277	Carbamodithioic acid, diethyl-,2-chloro-2-propenyl ester.		95-06-7
U277	Sulfallate.		95-06-7
U278	Bendiocarb.		22781-23-3
U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate.		22781-23-3
U279	Carbaryl.		63-25-2
U279	1-Naphthalenol, methylcarbamate.		63-25-2
U280	Barban.		101-27-9
U280	Carbamic acid, (3-chlorophenyl)-,4-chloro-2-butynyl ester.		101-27-9
U328	Benzenamine, 2-methyl-		95-53-4
U328	o-Toluidine		95-53-4
U353	Benzenamine, 4-methyl-		106-49-0
U353	p-Toluidine		106-49-0
U359	Ethanol, 2-ethoxy-		110-80-5
U359	Ethylene glycol monoethyl ether		110-80-5
U364	Bendiocarb phenol.		22961-82-6
U364	1,3-Benzodioxol-4-ol, 2,2-dimethyl-,		22961-82-6
U365	H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester.		2212-67-1
U365	Molinate.		2212-67-1
U366	Dazomet.		533-74-4
U366	2H-1,3,5-Thiadiazine-2-thione, tetrahydro-3,5-dimethyl-		533-74-4
U367	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-		1563-38-8
U367	Carbofuran phenol.		1563-38-8
U372	Carbamic acid, 1H-benzimidazol-2-yl, methylester.		10605-21-7
U372	Carbendazim.		10605-21-7
U373	Carbamic acid, phenyl-, 1-methylethyl ester.		122-42-9
U373	Propham.		122-42-9

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITY

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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U375	Carbamic acid, butyl-, 3-iodo-2-propynyl ester.		55406-53-6
U375	3-Iodo-2-propynyl n-butylcarbamate.		55406-53-6
U376	Carbamodithioic acid, dimethyl-, tetraanhydrosulfide with orthothioselenious acid.		144-34-3
U376	Selenium, tetrakis(dimethyldithiocarbamate).		144-34-3
U377	Carbamodithioic acid, methyl-, monopotassium salt.		137-41-7
U377	Potassium n-methyldithiocarbamate.		137-41-7
U378	Carbamodithioic acid, (hydroxymethyl)methyl-, monopotassium salt.		51026-28-9
U378	Potassium n-hydroxymethyl-n-methyldi-thiocarbamate.		51026-28-9
U379	Carbamodithioic acid, dibutyl, sodium salt.		136-30-1
U379	Sodium dibutyldithiocarbamate.		136-30-1
U381	Carbamodithioic acid, diethyl-, sodium salt.		148-18-5
U381	Sodium diethyldithiocarbamate.		148-18-5
U382	Carbamodithioic acid, dimethyl-, sodium salt.		128-04-1
U382	Sodium dimethyldithiocarbamate.		128-04-1
U383	Carbamodithioic acid, dimethyl, potassium salt.		128-03-0
U383	Potassium dimethyldithiocarbamate.		128-03-0
U384	Carbamodithioic acid, methyl-, monosodium salt.		137-42-8
U384	Metam Sodium.		137-42-8
U385	Carbamothioic acid, dipropyl-, S-propyl ester.		1929-77-7
U385	Vernolate.		1929-77-7
U386	Carbamothioic acid, cyclohexylethyl-, S-ethyl ester.		1134-23-2
U386	Cycloate.		1134-23-2
U386	Cycloate.		1134-23-2
U387	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester.		52888-80-9
U387	Prosulfocarb.		52888-80-9
U389	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester.		2303-17-5
U389	Triallate.		2303-17-5
U390	Carbamothioic acid, dipropyl-, S-ethyl ester.		759-94-4
U390	EPTC.		759-94-4
U391	Carbamothioic acid, butylethyl-, S-propyl ester.		1114-71-2
U391	Pebulate.		1114-71-2
U392	Butylate.		2008-41-5
U392	Carbamothioic acid, bis(2-methylpropyl)-, S-ethyl ester.		2008-41-5
U393	Copper, bis(dimethylcarbamodithioato-S,S')-,		137-29-1
U393	Copper dimethyldithiocarbamate.		137-29-1
U394	A2213.		30558-43-1
U394	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester.		30558-43-1
U395	Diethylene glycol, dicarbamate.		5952-26-1
U395	Ethanol, 2,2'-oxybis-, dicarbamate.		5952-26-1
U396	Ferbam.		14484-64-1
U396	Iron, tris(dimethylcarbamodithioato-S,S')-,		14484-64-1
U400	Bis(pentamethylene)thiuram tetrasulfide.		120-54-7
U400	Piperidine, 1,1'-(tetrathiodicarbonothioyl)-bis-		120-54-7

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITY

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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
U401	Bis(dimethylthiocarbamoyl) sulfide.		97-74-5
U401	Tetramethylthiuram monosulfide.		97-74-5
U402	Tetrabutylthiuram disulfide.		1634-02-2
U402	Thioperoxydicarbonic diamide, tetrabutyl.		1634-02-2
U403	Disulfiram.		97-77-8
U403	Thioperoxydicarbonic diamide, tetraethyl.		97-77-8
U404	Ethanamine, N,N-diethyl		121-44-8
U404	Triethylamine.		121-44-8
U407	Ethyl Ziram.		14324-55-1
U407	Zinc, bis(diethylcarbamodithioato-S,S')-		14324-55-1
U409	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester.		23564-05-8
U409	Thiophanate-methyl.		23564-05-8
U410	Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester		59669-26-0
U410	Thiodicarb.		59669-26-0
U411	Phenol, 2-(1-methylethoxy)-, methylcarbamate.		114-26-1
U411	Propoxur.		114-26-1
	tetramethyl-		
001D	Copper		
003D	Zinc		
001S	Aflatoxin		
002S	2,3,7,8-Tetrachlorodibenzo-p-dioxin		
003S	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		
004S	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin		
005S	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin		
006S	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin		
007S	2,3,7,8-Tetrachlorodibenzo furan		
001K	Residues, including emission control sludges, from the production process and packaging of 4,4' Methylenebis (2 chloroaniline)	(T)	
002K	Wash acids generated after the effective date of these rules from the production of 3,3' - Dichlorobenzidine and still bottoms from the recovery of these acids, excluding wash acids that are recycled or any materials that are reclaimed from the wash acids and are used beneficially	(T)	
001U	Actinomycin D		50-76-0
002U	Allyl chloride		107-05-1
003U	2-aminoanthraquinone		117-79-3
004U	Aminoazobenzene		60-09-3
005U	O-aminoazotoluene		97-56-3
006U	4-aminobiphenyl		92-67-1
007U	3-amino-9-ethyl carbazole		132-32-1
008U	1-amino-2-methyl anthraquinone		82-28-0
009U	Anilazine		101-05-3
011U	o-Anisidine		90-04-1
012U	o-Anisidine hydrochloride		134-29-2

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
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Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
013U	Antimony (when in the form of particles 100 microns or less)		Class-01-0
014U	Antimycin A		1397-94-0
015U	Barban		101-27-9
016U	Bendiocarb		22781-23-3
017U	Benomyl		17804-35-2
020U	Bromoxynil		1689-84-5
021U	2-(ptertButylphenoxy)isopropyl 2-chloroethyl sulfite		
022U	Captafol		191906.00
023U	Captan		133-06-2
024U	Carbaryl		63-25-3
025U	Carbofuran		1563-66-2
027U	Carbophenothion		786-19-6
028U	Chloramines		Class-08-6
029U	Chloropyrifos		2921-88-2
030U	Chlorinated dibenzofurans (other than those listed in Table 202)		Class-05-3
031U	Chlorinated dioxins (other than those listed in Table 202)		Class-05-4
032U	Chlorine gas		7782-50-5
033U	2-Chloroethanol		107-07-3
034U	3-(Chloromethyl) pyridine hydrochloride		6959-48-4
036U	4-chloromphenylenediamine		5131-60-2
037U	4-chloroophenylenediamine		95-83-0
038U	Chloroprene		126-99-8
040U	Clonitralid		1420-04-8
041U	Cobalt (when in the form of particles 100 microns or less)		Class-01-6
042U	Coumaphos		56-72-4
043U	pCresidine		120-71-8
044U	Crotoxyphos		7700-17-6
046U	Cycloheximide		66-81-9
047U	Demeton		
048U	2,4-Diaminoanisoie sulfate		39156-41-7
049U	4,4'-Diaminodiphenyl ether		101-80-4
050U	2,4-Diaminotoluene		95-80-7
051U	Diazinon		333-41-5
052U	Dichlone		117-80-6
054U	Dichlorvos		62-73-7
055U	Dichrotophos		141-66-2
056U	Diethyl sulfate		64-67-5
057U	Dinocap		39300-45-3
058U	Dioxathion		78-34-2
059U	EPN		2104-64-5
061U	Ethion		563-12-2
063U	Fensulfothion		115-90-2
064U	Fenthion		55-38-9
065U	Fluchloralin		33245-39-5
068U	Hexamethyl phosphoramide		680-31-9
070U	Hydroquinone		123-31-9

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
071U	N-(2-Hydroxyethyl) ethyleneimine		1072-52-2
072U	Hypochlorite		14380-61-1
073U	Isonicotinic acid hydrazine		54-85-3
074U	Ketene		463-51-4
075U	Lactonitril		78-97-7
076U	Leptophos		21609-90-5
077U	Lithium and compounds		Class-02-0
078U	Malachite green		569-64-2
079U	Malathion		121-75-5
080U	Mestranol		
082U	4,4'-Methylenebis(2methylaniline)		838-88-0
083U	4,4'-Methylenebis(N,Ndimethylaniline)		101-61-1
086U	1-Methylnaphthalene		90-12-0
088U	Mevinphos		7786-34-7
089U	Mexacarbate		315-18-4
090U	Mirex		2385-85-5
092U	Monocrotophos		6923-22-4
093U	Mustard gas		505-60-2
094U	Naled		300-76-5
095U	1,5-Napthalenediamine		2243-62-1
096U	Nickel (when in the form of particles 100 microns or less)		Class-02-2
097U	Niridazole		61-57-4
098U	Nithiazide		139-94-6
099U	5-Nitroacenaphthene		602-87-9
100U	Nitrooanisidine		99-59-2
101U	4-Nitrobiphenyl		92-93-3
102U	Nitrofen		1836-75-5
103U	N-(4-(5-nitro-2-furanyl)2-thiazolyl)acetamide		531-82-8
104U	Nitrogen mustard		51-75-2
106U	p-Nitrosodiphenylamine		156-10-5
108U	N-nitroso-N-phenylhydroxylamine, ammonium salt		135-20-6
110U	Oxydemetonmethyl		301-12-2
111U	Paraquat		1910-42-5
112U	Peroxyacetic acid		79-21-0
113U	Phenazopyridine hydrochloride		136-40-3
114U	Phenesterin		50-06-6
115U	Phenobarbitol		50-06-6
116U	Phenytoin		57-41-0
117U	Phenytoin sodium		630-93-0
118U	Phosazetim		4104-14-7
119U	Phosmet		732-11-6
120U	Phosphamidon		13171-21-6
121U	Piperonyl sulfoxide		120-62-7
122U	Polybrominated biphenyls (PBB)		Class-07-8
124U	Propiolactone		57-57-8
127U	Propylthiouracil		51-52-5

TABLE A2.A.1 HAZARDOUS WASTES ACCEPTED AT THE FACILITYMichigan Disposal Waste Treatment Plant
MID000724831

Waste Code	Waste Description	Hazardous Waste Characteristic	CAS No.
128U	Rotenone		83-79-4
129U	Semicarbazide		57-56-7
131U	Styrene		100-42-5
132U	Sulfallate		95-06-7
134U	TDE		72-54-8
135U	TEPP		107-49-3
136U	Terbufos		13071-79-9
137U	Tetrachlorvinphos		961-11-5
138U	4,4'-Thiodianiline		139-65-1
139U	o-Toluidine		95-53-4
140U	Triaryl phosphate esters		Class-08-4
141U	Trichlorfon		52-68-6
142U	Trifluralin		1582-09-8
143U	2,4,5-Trimethylaniline		137-17-7
144U	Triamethylphosphate		
146U	Ziram		137-30-4
147U	Azinphosethyl		2642-71-9
148U	Azinphosmethyl		86-50-0
150U	pchlorophenol		106-48-9
151U	5-chlorootoluidene		96-79-4
152U	Chlorfenuinphos		470-90-6
152U	Methacrylonitrile		
153U	Sodium fluoroacetate		620-74-8
154U	bis(Trinbutyl tin) oxide		56-35-9
155U	Vinylidene chloride		75-35-4
157U	3-amino-9-ethyl carbazole hydrochloride		57360-17-5
158U	Aniline hydrochloride		142-04-1
159U	Azobenzene		103-33-3
160U	1,3-Butadiene		106-99-0
161U	Butyl benzl phthalate		85-68-7
162U	1-chloro-4-phenoxybenzene		7005-72-3
163U	1-chloropropene		590-21-6
164U	P,P' DDE		72-55-9
165U	N,N'-Diethylthiourea		105-55-5
166U	1,2-Epoxybutane		106-88-7
167U	Kanechlor C		59299-51-3
168U	N-Nitrosomethylvinylamine		4549-40-0
169U	Octachlorostyrene		29082-74-4
170U	Semicarbazide hydrochloride		563-41-7
171U	Tributyltin (and other salts and esters)		688-73-3
172U	1,2,3-Trichlorobenzene		87-61-6
173U	1,2,4-Trichlorobenzene		120-82-1
174U	Urethane		51-79-6
175U	Vinyl bromide		593-60-2

**A2.A.2WAYNE DISPOSAL INC. AND MICHIGAN DISPOSAL WASTE TREATMENT PLANT
RADIOLOGICAL WASTE DISPOSAL CRITERIA**

Radioactive material accepted at the facility is not regulated under the Atomic Energy Act of 1954 ("AEA"), as amended. This may be accomplished by the following regulatory mechanisms: use of a general or specific exemption from regulation by the Nuclear Regulatory Commission (NRC) or an Agreement State; a Release from Radiological Control declaration by the Department of Energy (DOE); or a determination that 91(b) radioactive material is no longer regulated by the Department of Defense (DoD). Material may also be accepted if it is specifically authorized for disposal by the by the NRC or Agreement State or has been specifically authorized by the Michigan Department of Environmental Quality.

Radiological waste will be approved and accepted consistent with procedures outlined for all waste in the Waste Analysis Plan. Before placement in the Wayne Disposal, Inc. landfill, radiological waste will either meet the limits specified in the following Table 1 or meet the requirements specified in at least one of the exemptions listed in the following Table 2.

Table 1 – Michigan Concentration Specific Landfill Limits

Nuclide	Concentration
Ra-226	50 pCi/g
Pb-210	260 pCi/g
Total combined uranium and thorium*	Less than 500 mg/kg

*Consistent with 10 CFR 40.13 Unimportant Quantities of Source Material

Table 2 - Exempted Products, Devices or Items

Exemption	Product, Device or Item	Isotope, Activity or Concentration
10 CFR 30.15; IRR 66-73 Certain items containing by-product material	As listed in the regulation	Various isotopes and activities set forth in 30.15
10 CFR 30.14; IRR 65 Exempt Concentrations	Other materials, products or devices specifically exempted from regulation by rule, order, license, license condition, concurrence, or letter of interpretation	Radionuclides in concentration consistent with the exemption
10 CFR 30.18; IRR 74 Exempt Quantities	Other materials, products or devices specifically exempted from regulation by rule, order, license, license condition, concurrence, or letter of interpretation	Radionuclides in concentration consistent with the exemption
10 CFR 40.13 Unimportant Quantity of Source Material; IRR 52 – 61	Unimportant quantity of source material	<0.05% by weight source material, (<500 ppm combined uranium and thorium))
	Unrefined and unprocessed ore containing source material	As set forth in the rule
	Source material in incandescent gas mantles, vacuum tubes, welding rods, electric lamps for illumination	Thorium and uranium, various amounts or concentrations, see rules
	Source material in glazed ceramic table ware	≤20% by weight
	Piezoelectric ceramic	≤2% by weight
	Glassware not including glass brick, pane glass, ceramic tiles or other glass or ceramic used in construction	≤10% by weight
	Photographic film, negatives or prints	Uranium or thorium
	Finished product or part fabricated of or containing tungsten or magnesium-thorium alloys. Cannot treat or process chemically, metallurgically or physically.	≤4% by weight thorium content
	Uranium contained in counterweights installed in aircraft rockets, projectiles and missiles or stored or handled in connection with installation or removal of such counterweights	Per stated conditions in rule
	Uranium used as shielding in shipping containers if conspicuously and legibly impressed with legend "Caution Radioactive Shieldings—Uranium" and uranium incased in at least 1/8inch thick steel or fire resistant metal	Depleted Uranium
	Thorium contained in finished optical lenses	≤30% by weight thorium content, per conditions in rule
	Thorium contained in any finished aircraft engine part containing nickel-thoria alloy	≤4% by weight thorium content, per conditions in rule

10 CFR 20.2005 Disposal of Specific Wastes	Disposal of licensed material as if it were not radioactive	0.05 microcurie (1.85 kBq), or less, of hydrogen-3 or carbon-14 per gram of medium used for liquid scintillation counting; and 0.05 microcurie (1.85 kBq), or less, of hydrogen-3 or carbon-14 per gram of animal tissue, averaged over the weight of the entire animal.
10 CFR 30.11 Specific Exemptions	Byproduct material including production particle accelerator material exempted from NRC or Agreement State regulation by rule, order, license, license condition or letter of interpretation may be accepted as determined by specific NRC or Agreement State exemption.	Byproduct material at concentrations consistent with the exemption
10 CFR 30.15 Certain items containing by-product material	As listed in the regulation	Various isotopes and activities as set forth in 30.15
10 CFR 30.19	Self-luminous products containing tritium, 85Kr, 3H or 147Pm	Activity by Manufacturing license
10 CFR 30.20	Gas and aerosol detectors for protection of life and property from fire	Isotope and activity by Manufacturing license
10CFR 30.21 Radioactive Drug	Capsules containing 14C urea for in vivo diagnosis of humans	14C, one μ Ci per capsule
10 CFR 40.14 Specific Exemptions	Source material exempted from NRC or Agreement State regulation by rule, order, license, license condition or letter of interpretation may be accepted as determined by specific NRC or Agreement State exemption.	Source material at concentrations consistent with the exemption.

A2.B.1 49 CFR SUBPART C—SEGREGATION AND SEPARATION CHART OF HAZARDOUS MATERIALS

CLASS OR DIVISION	2.1	2.2	3	4.1	4.3	5.1	5.2	6.1*	8A	8B	9
Non-Flammable Gases	2.1	C	C	C	C	C	C	C	C	C	C
Non-Toxic, Non-Flammable Gases	2.2	C	C	C	C	C	C	C	C	C	C
Flammable Liquids	3	C	C	C	C	X	C	C	C	C	C
Flammable Solids	4.1	C	C	C	C	C	C	C	X	X	C
Dangerous when wet materials	4.3	C	C	C	C	C	C	C	X	X	C
Oxidizers	5.1	C	C	X	C	C	C	C	X	X	C
Organic Peroxides	5.2	C	C	C	C	C	C	C	X	X	C
Poisonous Liquids (NOT PG I, Zone A materials)	6.1*	C	C	C	C	C	C	C	C	C	C
Corrosive Liquids-Acids	8A	C	C	C	X	X	X	C	C	X	C
Corrosive Liquids-Bases	8B	C	C	C	X	X	X	C	X	C	C
Other Regulated Materials and Non-Hazardous Wastes	9	C	C	C	C	C	C	C	C	C	C

Notes:

- ✓ This chart is from the USDOT Segregation and Separation Chart of Hazardous Materials, 49 CFR Subpart C (177.848) & additionally segregates the corrosive wastes into acids and bases.
- ✓ Acids have a pH ≤ 2.0 and bases have a pH ≥ 12.5 .

* = Other than Poisonous Liquids PG I, Zone A will not receive wastes with Class 1, or Division 2.3, 4.2, 6.1 PG I, Zone A Hazardous Material classifications.

C = Compatible

X = Non-Compatible